

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080315\
 Data File : BE090333.D
 Acq On : 4 Aug 2015 5:40
 Operator : TP/UM
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Quant Time: Aug 04 07:42:45 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 04 02:31:31 2015
 Response via : Initial Calibration

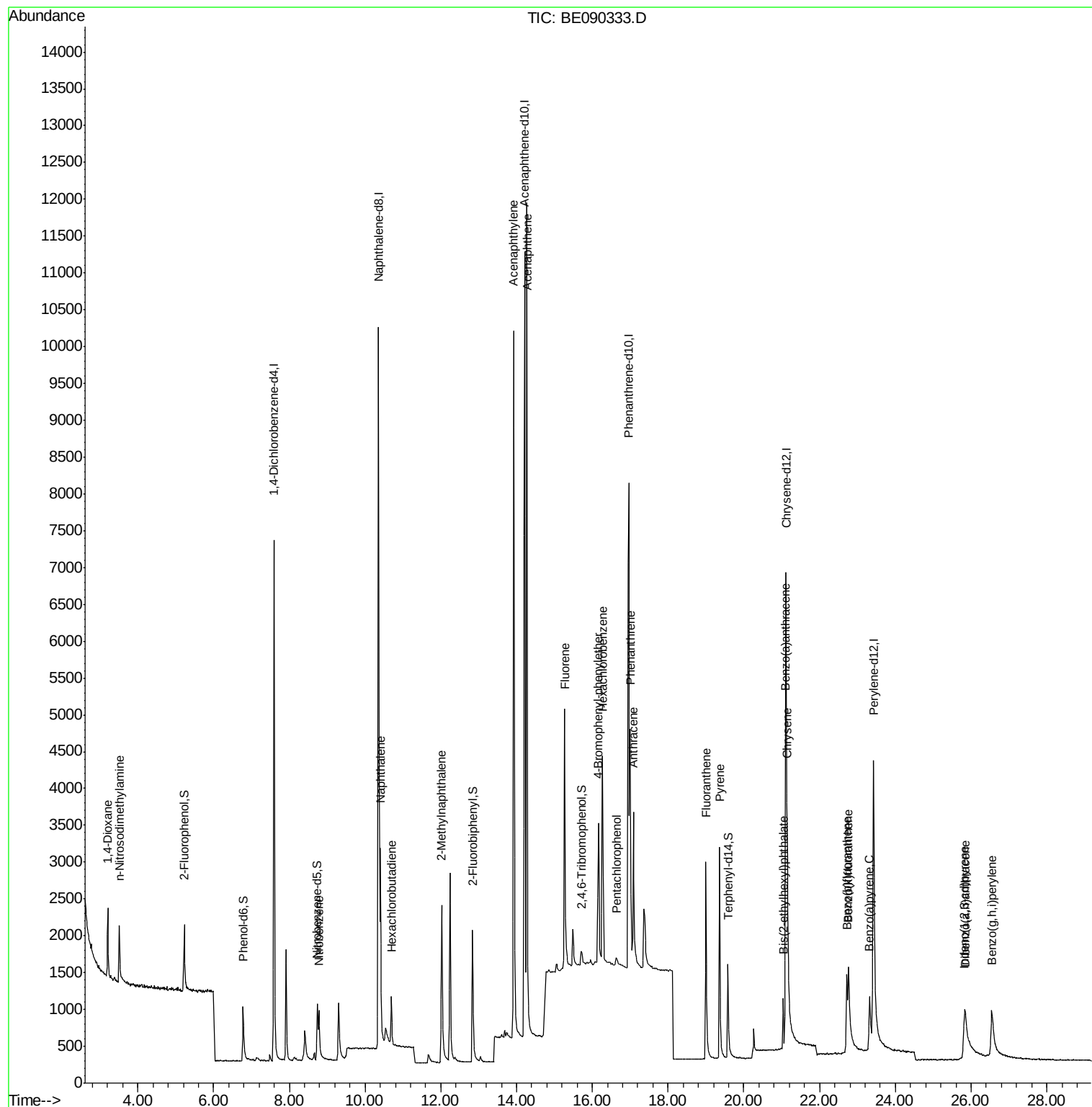
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	3762	5.00	ng	0.00
6) Naphthalene-d8	10.35	136	15298	5.00	ng	0.00
12) Acenaphthene-d10	14.21	164	6913	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	12959	5.00	ng	0.02
25) Chrysene-d12	21.11	240	9475	5.00	ng	0.00
32) Perylene-d12	23.42	264	8064	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	866	1.20	ng	0.00
5) Phenol-d6	6.78	99	1134	1.28	ng	0.00
7) Nitrobenzene-d5	8.74	82	917	1.01	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	118	1.39	ng	0.00
14) 2-Fluorobiphenyl	12.84	172	2505	1.25	ng	0.00
27) Terphenyl-d14	19.58	244	2372	1.34	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.20	88	653	1.33	ng	97
3) n-Nitrosodimethylamine	3.50	42	693	1.09	ng	# 99
8) Nitrobenzene	8.78	77	911	0.98	ng	99
9) Naphthalene	10.40	128	3652	1.11	ng	98
10) Hexachlorobutadiene	10.69	225	478	1.09	ng	97
11) 2-Methylnaphthalene	12.02	142	2267	1.11	ng	99
15) Acenaphthylene	13.93	152	14733	1.22	ng	100
16) Acenaphthene	14.27	154	2045	1.17	ng	96
17) Fluorene	15.27	166	2441	1.15	ng	99
19) 4-Bromophenyl-phenylether	16.16	248	665	1.37	ng	88
20) Hexachlorobenzene	16.27	284	2449	1.33	ng	98
21) Pentachlorophenol	16.63	266	113	1.36	ng	95
22) Phenanthrene	17.00	178	3539	1.20	ng	99
23) Anthracene	17.08	178	3201	1.21	ng	99
24) Fluoranthene	19.00	202	3561	1.20	ng	99
26) Pyrene	19.36	202	3539	1.38	ng	98
28) Benzo(a)anthracene	21.09	228	2045	1.13	ng	97
29) Chrysene	21.15	228	3420	1.55	ng	99
30) Bis(2-ethylhexyl)phthalate	21.04	149	687	1.22	ng	98
31) Indeno(1,2,3-cd)pyrene	25.82	276	1867	1.79	ng	# 85
33) Benzo(b)fluoranthene	22.72	252	1800	1.43	ng	97
34) Benzo(k)fluoranthene	22.76	252	2948	1.35	ng	96
35) Benzo(a)pyrene	23.32	252	1792	1.48	ng	96
36) Dibenzo(a,h)anthracene	25.85	278	1138	1.61	ng	96
37) Benzo(g,h,i)perylene	26.55	276	2263	1.68	ng	96

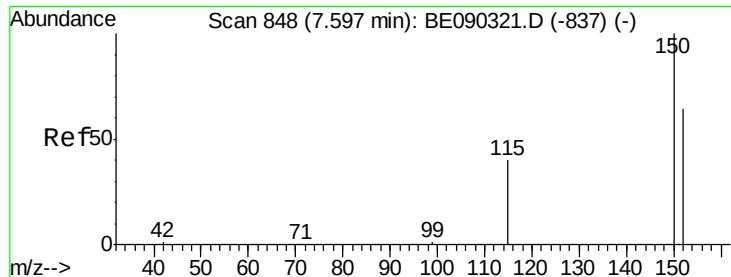
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

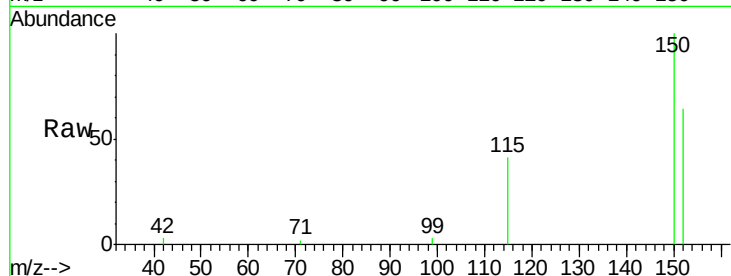
Tot Ion:152 Resp: 3762

Ion Ratio Lower Upper

152 100

150 156.2 124.2 186.2

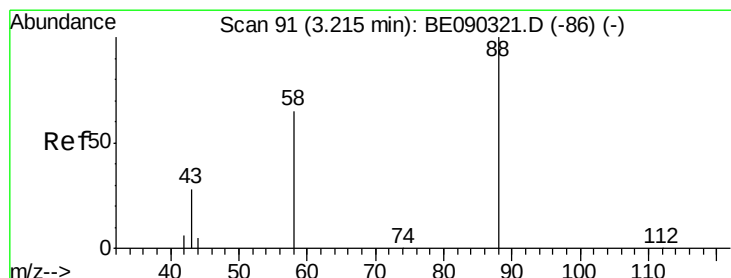
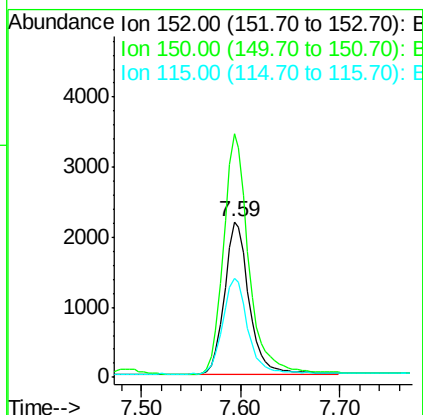
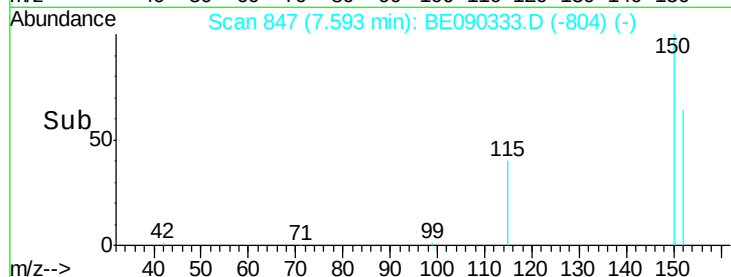
115 63.9 50.4 75.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 1.33 ng

RT: 3.20 min Scan# 89

Delta R.T. -0.01 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

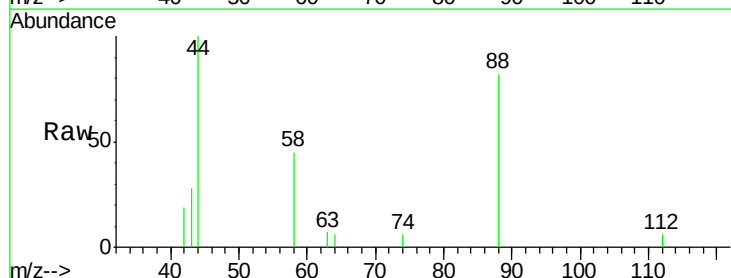
Tgt Ion: 88 Resp: 653

Ion Ratio Lower Upper

88 100

58 65.1 50.2 75.2

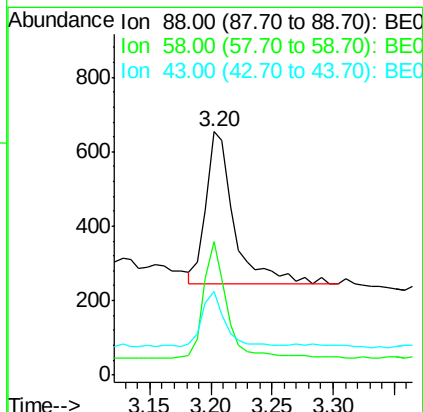
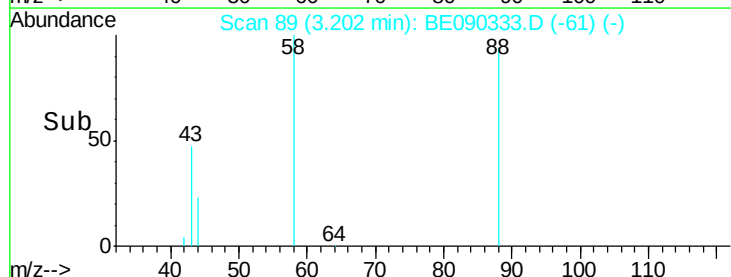
43 29.7 25.0 37.6

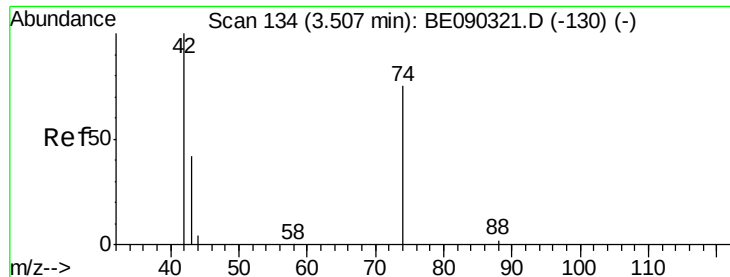


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.09 ng

RT: 3.50 min Scan# 133

Delta R.T. -0.01 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

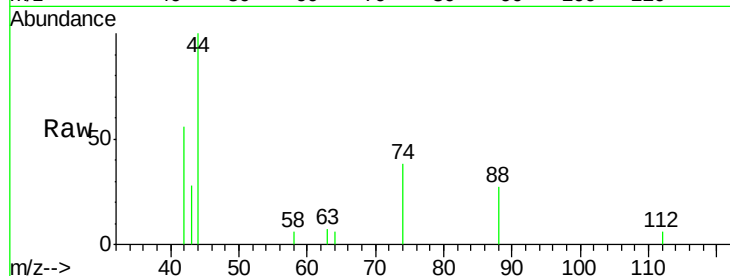
Tot Ion: 42 Resp: 693

Ion Ratio Lower Upper

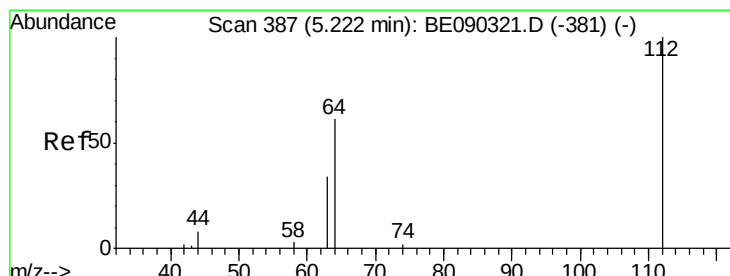
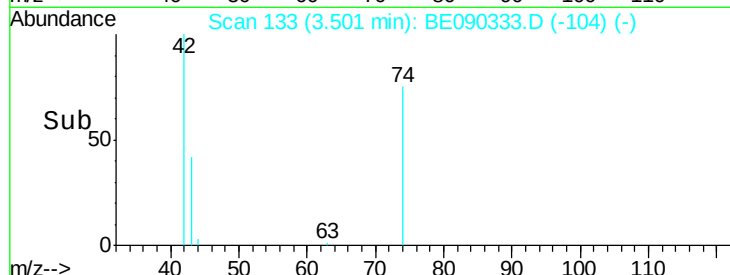
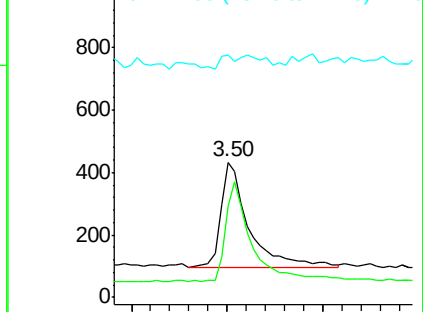
42 100

74 90.6 73.2 109.8

44 6.1 3.8 5.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 1.20 ng

RT: 5.22 min Scan# 387

Delta R.T. 0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

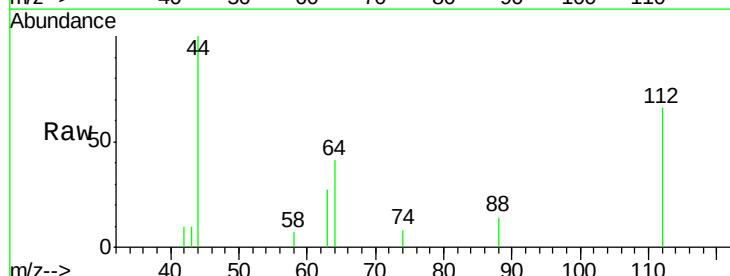
Tgt Ion: 112 Resp: 866

Ion Ratio Lower Upper

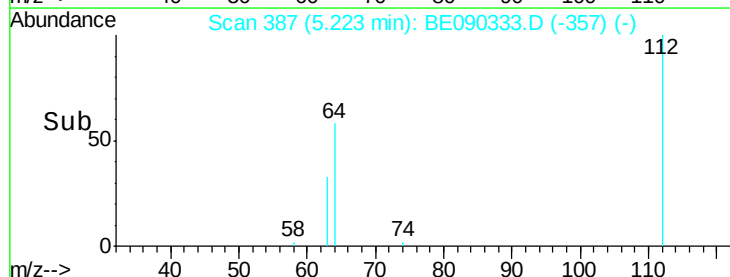
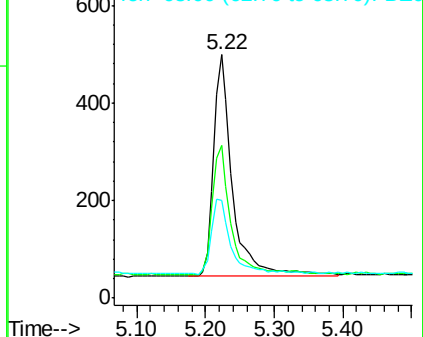
112 100

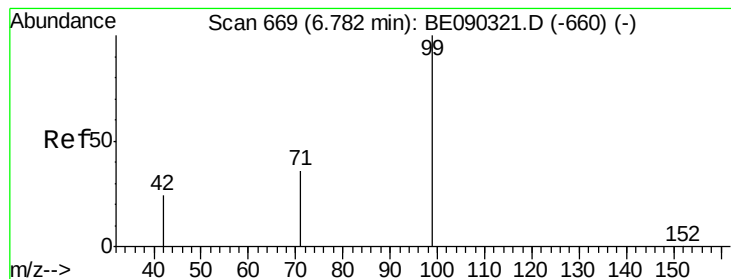
64 56.4 49.0 73.4

63 33.5 27.7 41.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.28 ng

RT: 6.78 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

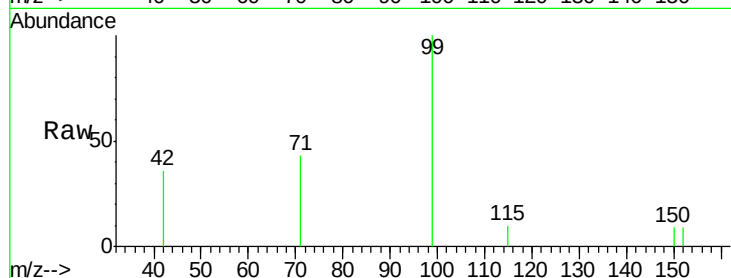
Tot Ion: 99 Resp: 1134

Ion Ratio Lower Upper

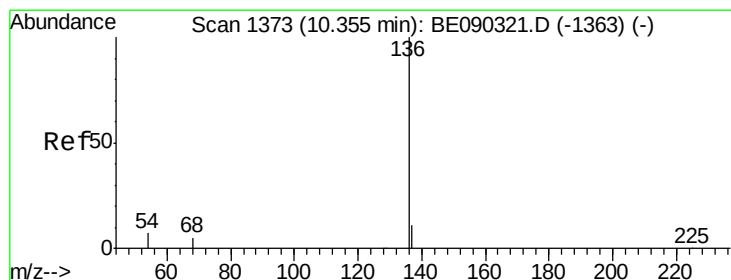
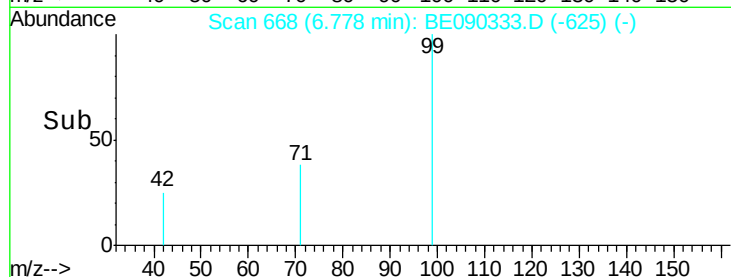
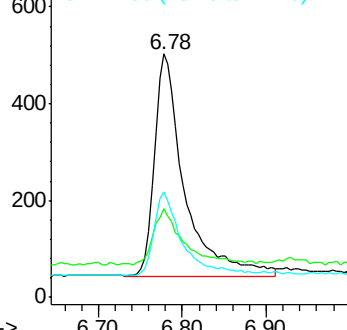
99 100

42 24.5 22.2 33.2

71 35.1 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.35 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Tgt Ion: 136 Resp: 15298

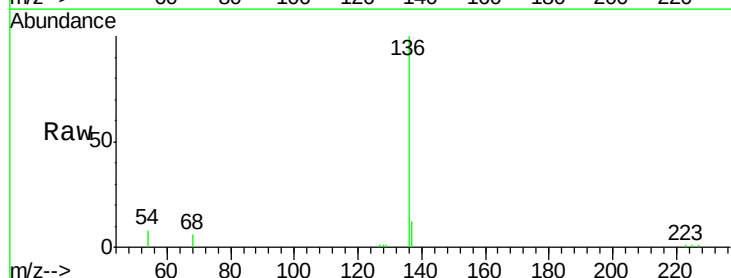
Ion Ratio Lower Upper

136 100

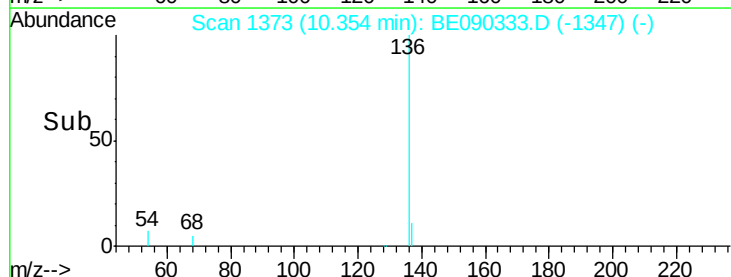
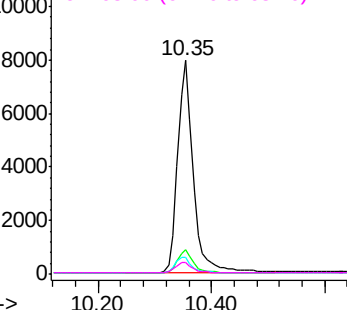
137 11.6 8.9 13.3

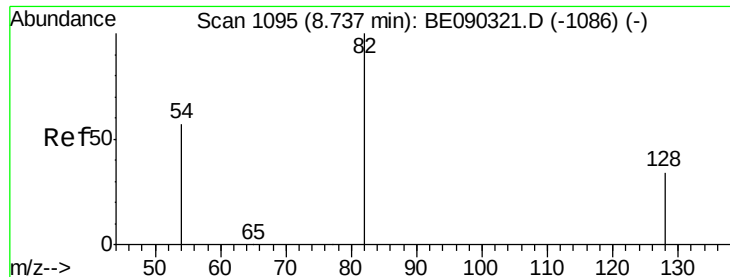
54 7.9 6.0 9.0

68 5.6 3.9 5.9



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 1.01 ng

RT: 8.74 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

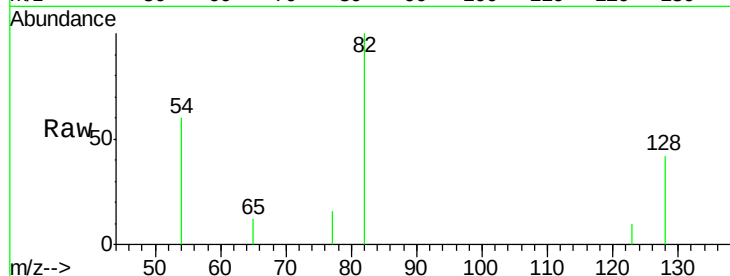
Tot Ion: 82 Resp: 917

Ion Ratio Lower Upper

82 100

128 41.8 30.8 46.2

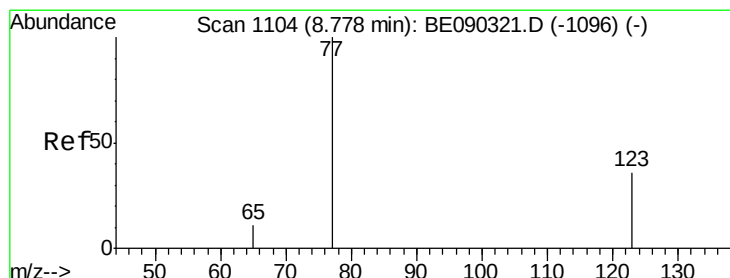
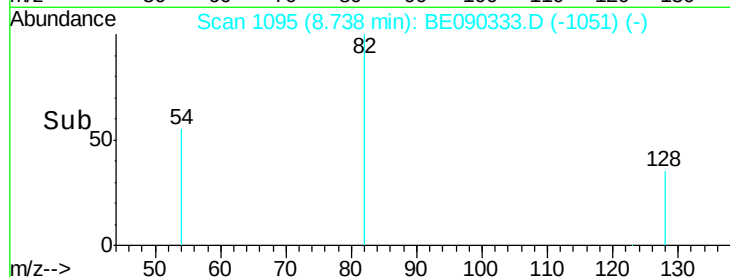
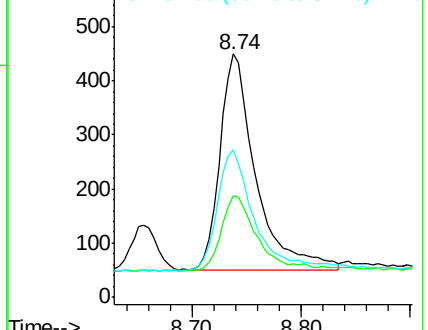
54 60.4 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene

Concen: 0.98 ng

RT: 8.78 min Scan# 1104

Delta R.T. 0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

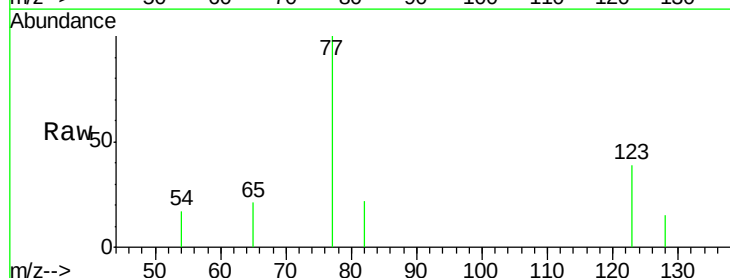
Tgt Ion: 77 Resp: 911

Ion Ratio Lower Upper

77 100

123 36.2 29.6 44.4

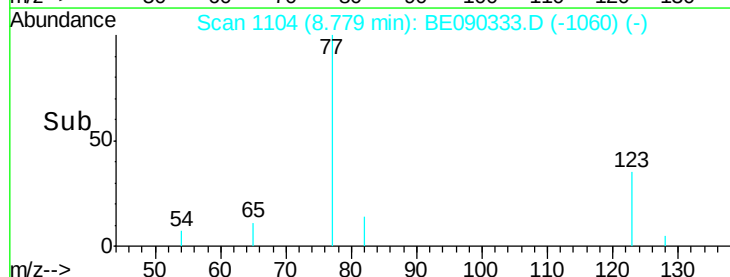
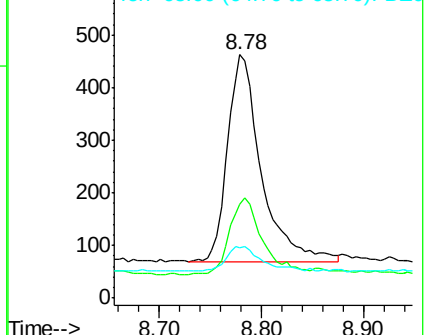
65 12.4 10.4 15.6

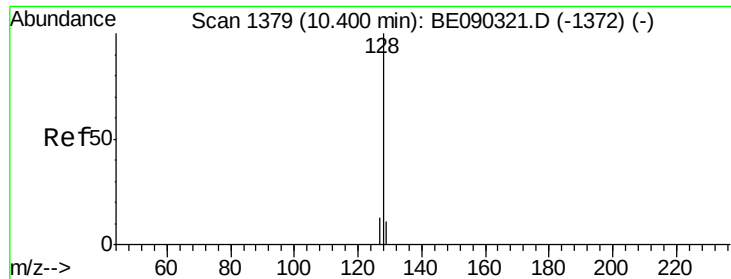


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 1.11 ng

RT: 10.40 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

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ClientSampleId :

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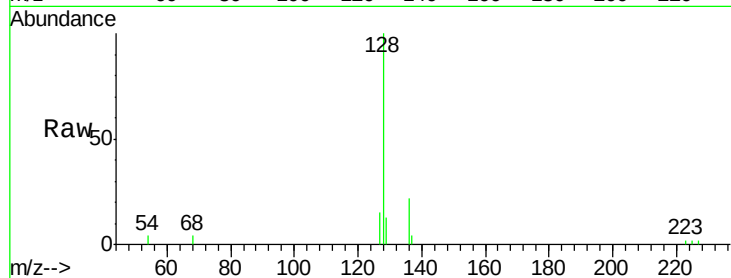
Tot Ion:128 Resp: 3652

Ion Ratio Lower Upper

128 100

129 12.8 10.1 15.1

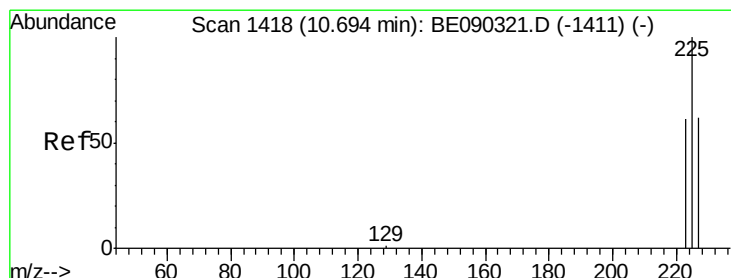
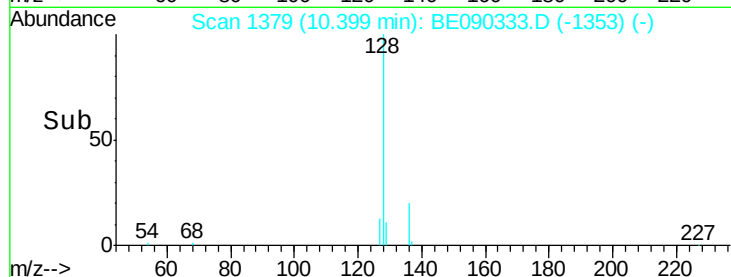
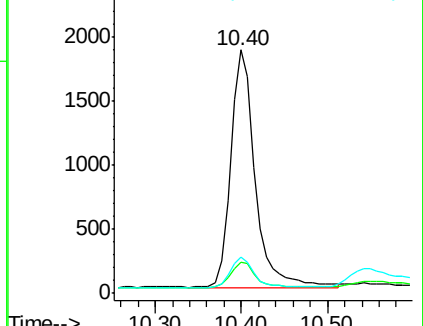
127 15.1 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 1.09 ng

RT: 10.69 min Scan# 1418

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

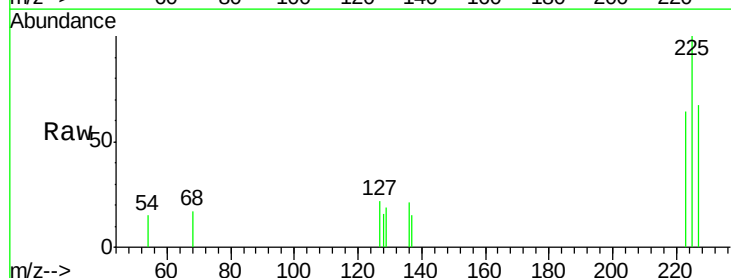
Tgt Ion:225 Resp: 478

Ion Ratio Lower Upper

225 100

223 63.4 50.4 75.6

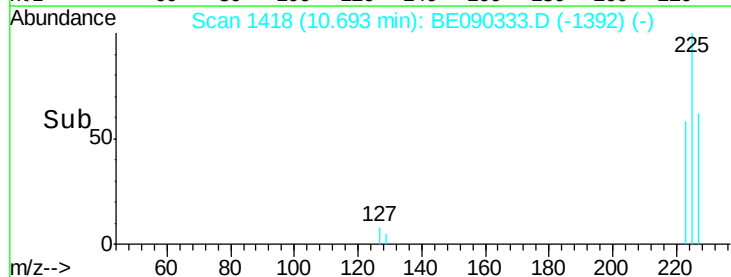
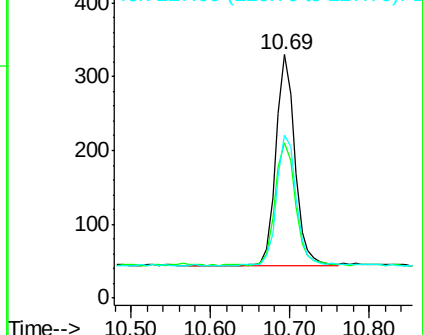
227 66.5 49.6 74.4

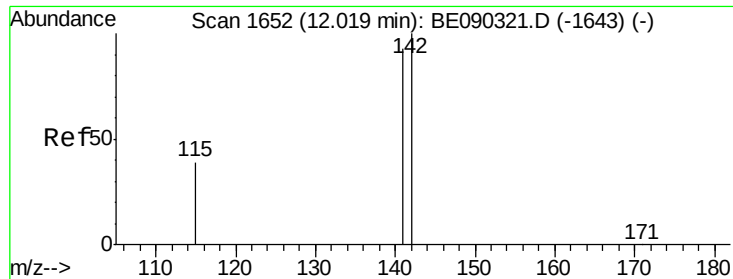


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

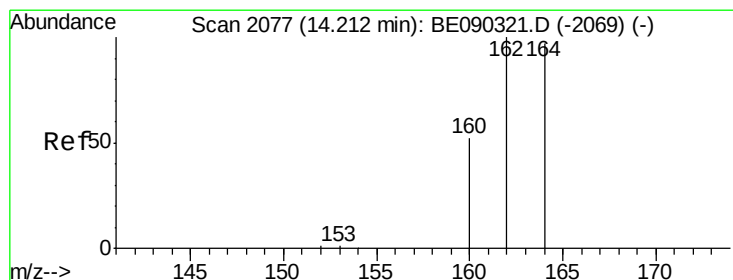
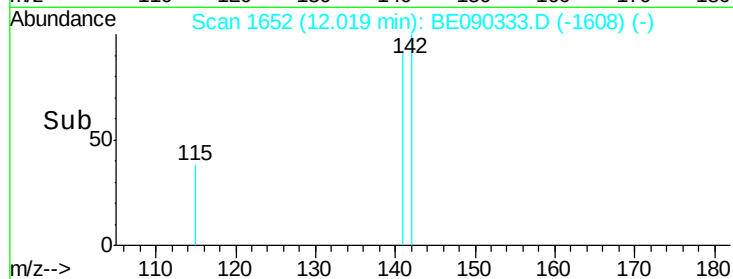
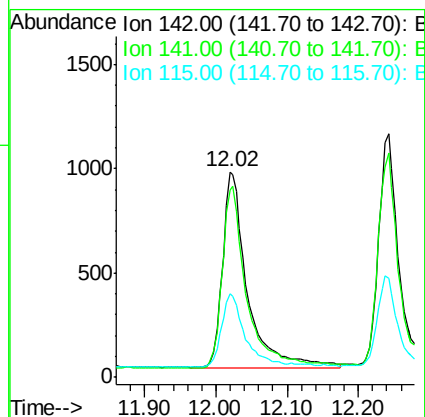
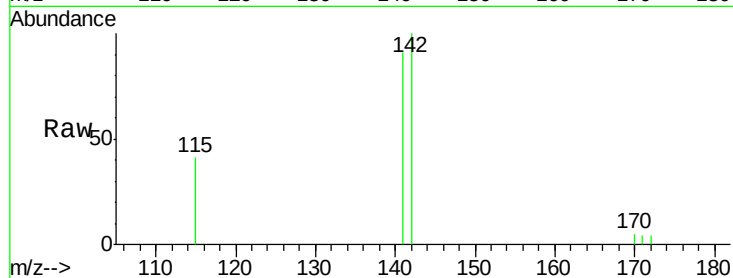




#11
2-Methylnaphthalene
Concen: 1.11 ng
RT: 12.02 min Scan# 1652
Delta R.T. 0.00 min
Lab File: BE090333.D
Acq: 4 Aug 2015 5:40

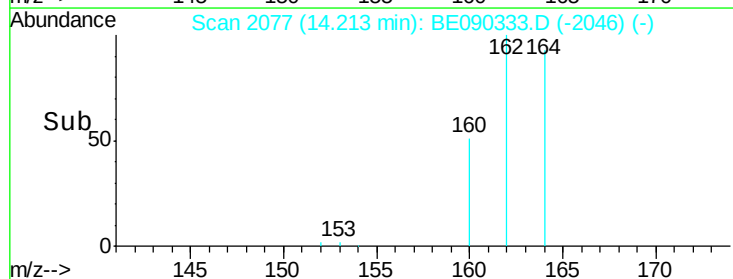
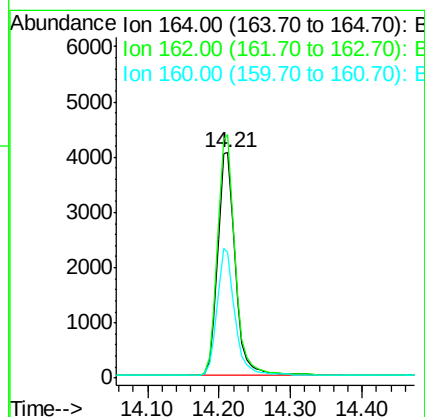
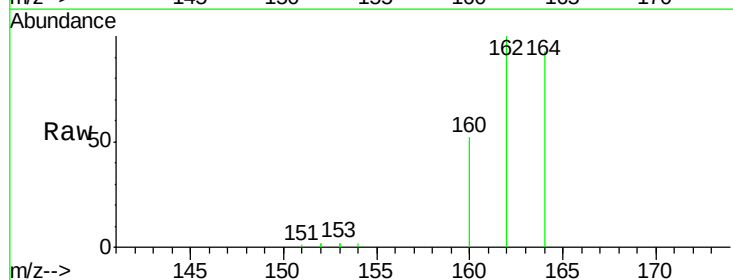
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

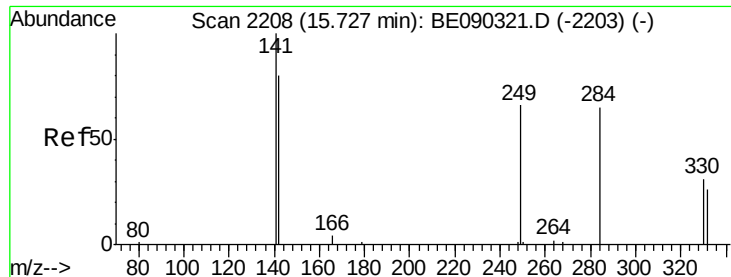
Tot Ion:142 Resp: 2267
Ion Ratio Lower Upper
142 100
141 91.4 74.6 112.0
115 40.7 32.6 49.0



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.21 min Scan# 2077
Delta R.T. 0.00 min
Lab File: BE090333.D
Acq: 4 Aug 2015 5:40

Tgt Ion:164 Resp: 6913
Ion Ratio Lower Upper
164 100
162 107.9 82.7 124.1
160 55.8 43.0 64.6

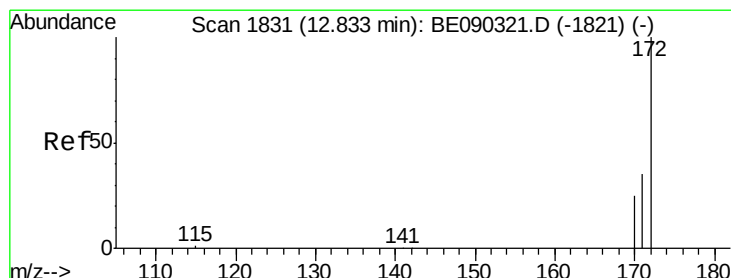
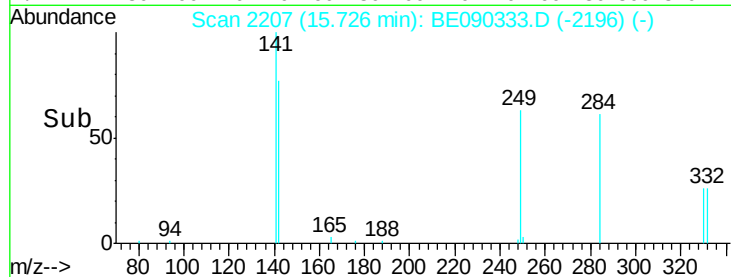
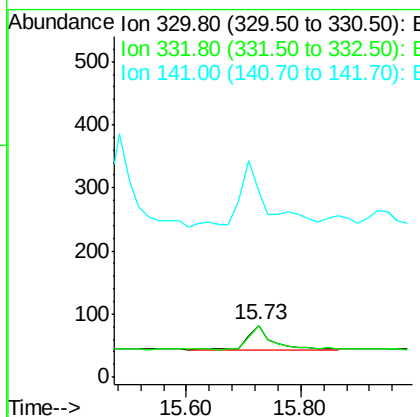
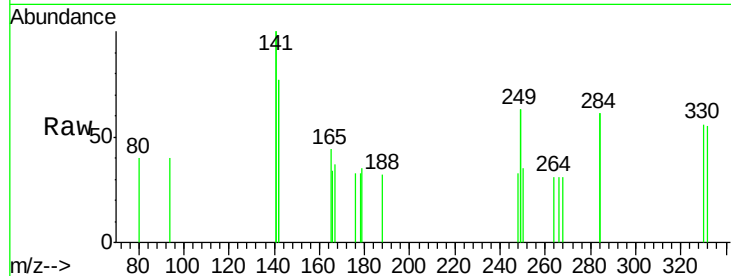




#13
 2,4,6-Tribromophenol
 Concen: 1.39 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090333.D
 Acq: 4 Aug 2015 5:40

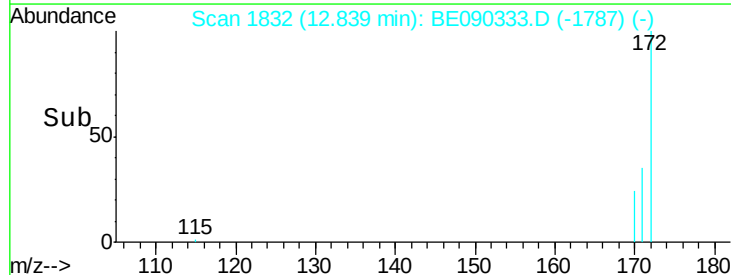
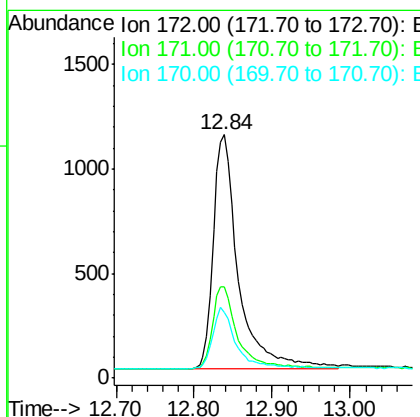
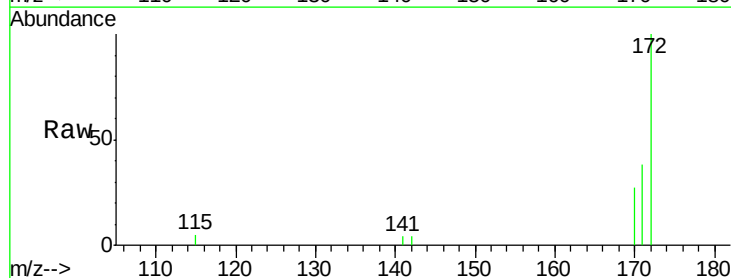
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

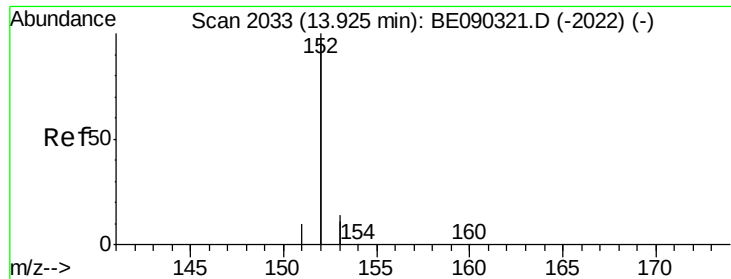
Tot Ion:330 Resp: 118
 Ion Ratio Lower Upper
 330 100
 332 94.1 79.4 119.0
 141 233.9 245.9 368.9#



#14
 2-Fluorobiphenyl
 Concen: 1.25 ng
 RT: 12.84 min Scan# 1832
 Delta R.T. 0.01 min
 Lab File: BE090333.D
 Acq: 4 Aug 2015 5:40

Tgt Ion:172 Resp: 2505
 Ion Ratio Lower Upper
 172 100
 171 37.7 29.5 44.3
 170 27.0 21.3 31.9





#15

Acenaphthylene

Concen: 1.22 ng

RT: 13.93 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

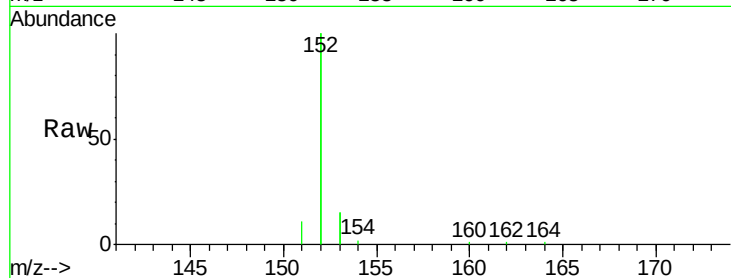
Tot Ion:152 Resp: 14733

Ion Ratio Lower Upper

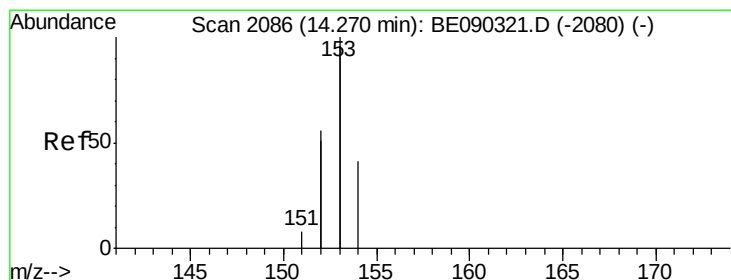
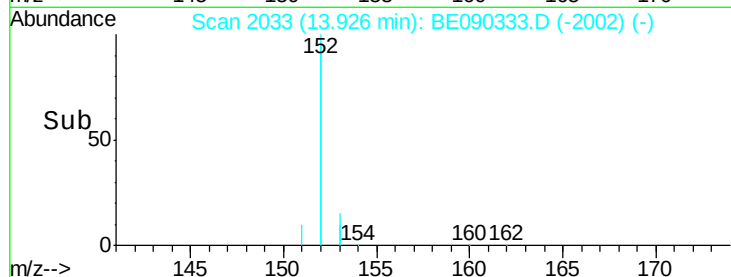
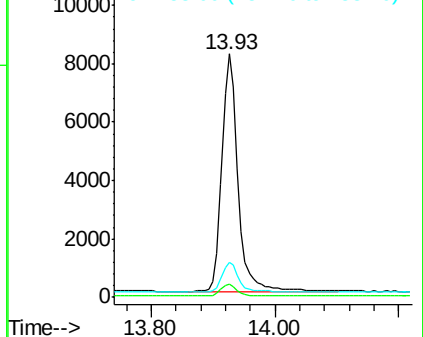
152 100

151 5.0 4.0 6.0

153 12.8 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 1.17 ng

RT: 14.27 min Scan# 2086

Delta R.T. 0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

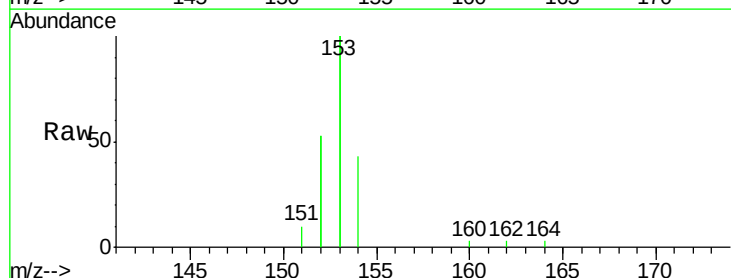
Tgt Ion:154 Resp: 2045

Ion Ratio Lower Upper

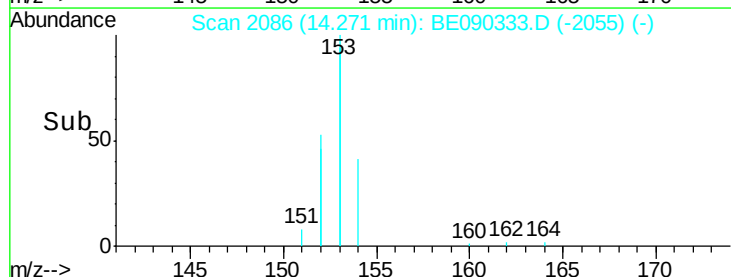
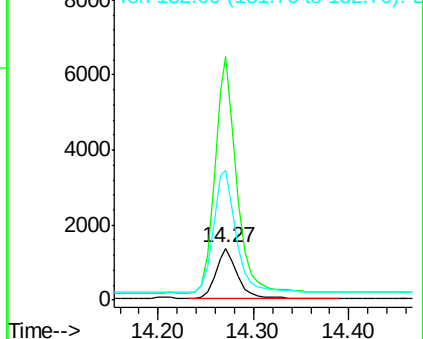
154 100

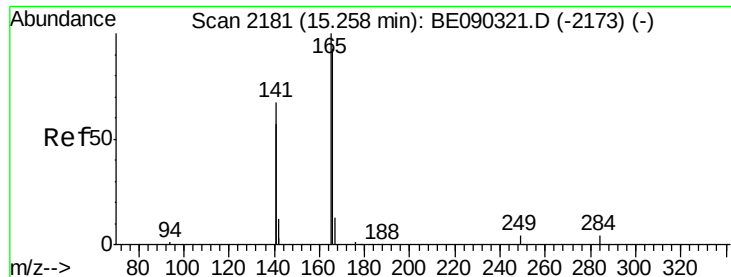
153 488.7 378.0 567.0

152 266.7 212.7 319.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

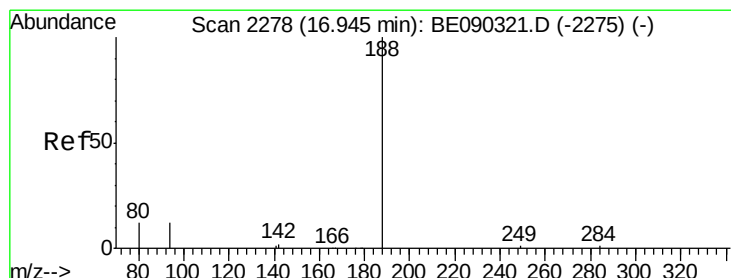
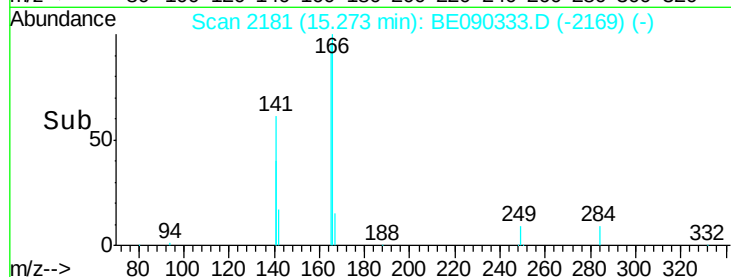
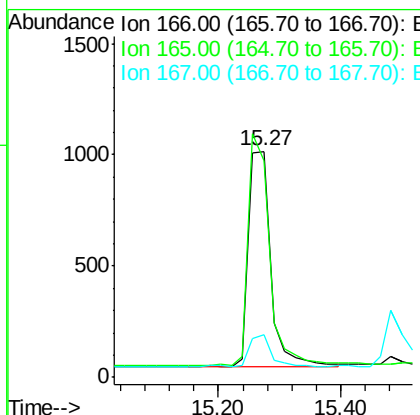
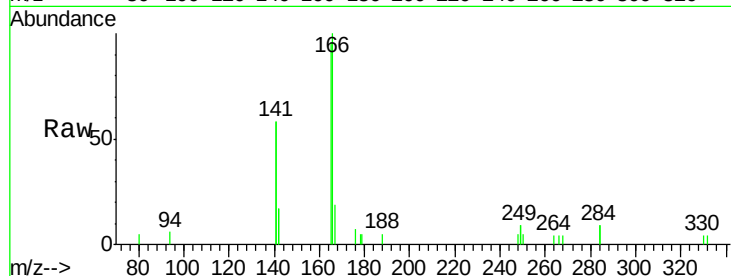




#17
Fluorene
 Concen: 1.15 ng
 RT: 15.27 min Scan# 2181
 Delta R.T. 0.02 min
 Lab File: BE090333.D
 Acq: 4 Aug 2015 5:40

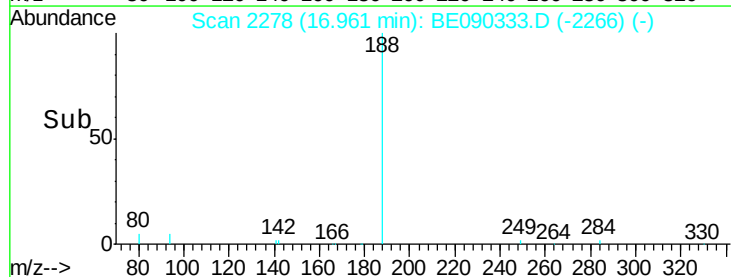
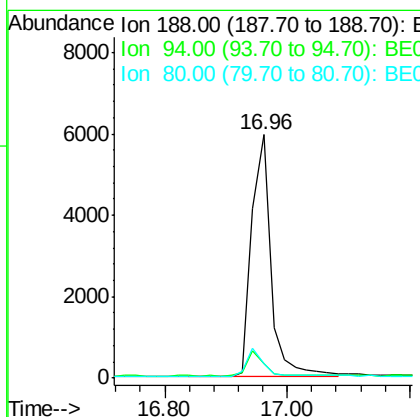
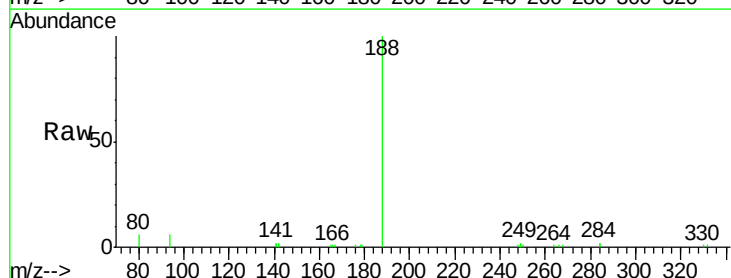
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

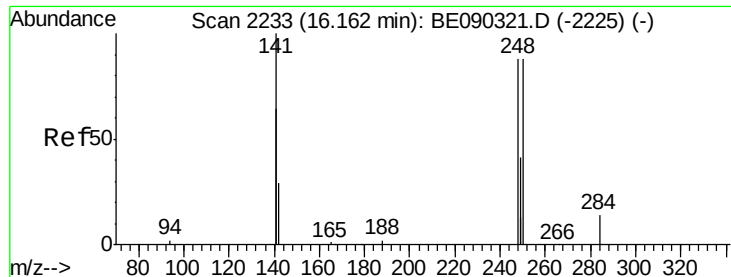
Tot Ion:166 Resp: 2441
 Ion Ratio Lower Upper
 166 100
 165 103.8 82.6 123.8
 167 14.5 11.8 17.8



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.96 min Scan# 2278
 Delta R.T. 0.02 min
 Lab File: BE090333.D
 Acq: 4 Aug 2015 5:40

Tgt Ion:188 Resp: 12959
 Ion Ratio Lower Upper
 188 100
 94 5.8 9.5 14.3#
 80 5.7 10.0 15.0#

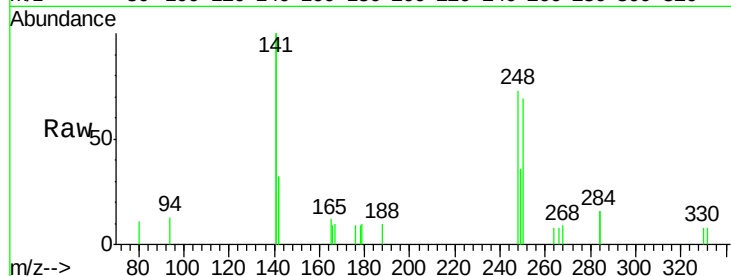




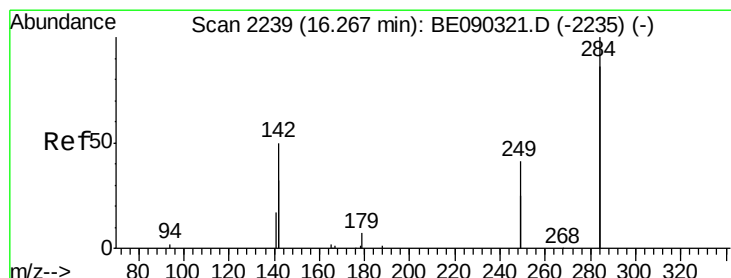
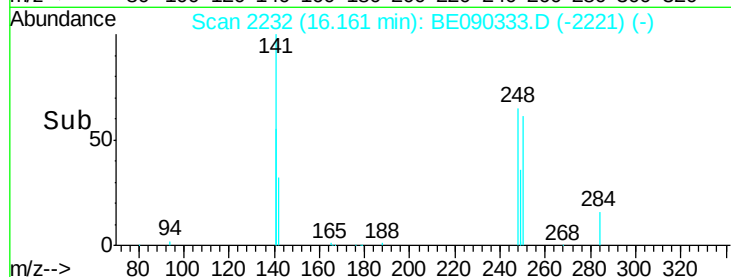
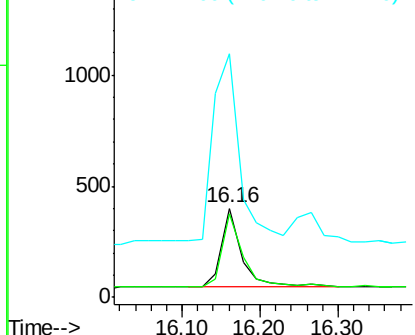
#19
4-Bromophenyl-phenylether
Concen: 1.37 ng
RT: 16.16 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BE090333.D
Acq: 4 Aug 2015 5:40

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tot Ion:248 Resp: 665
Ion Ratio Lower Upper
248 100
250 96.8 74.0 111.0
141 295.2 258.9 388.3

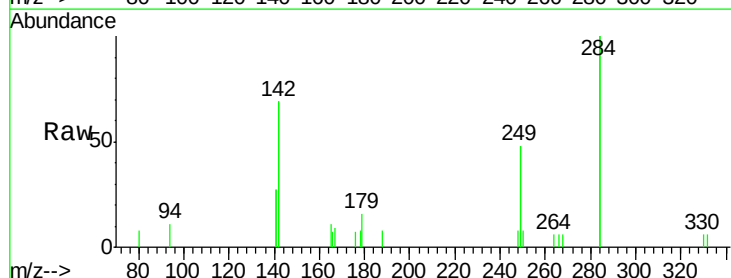


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

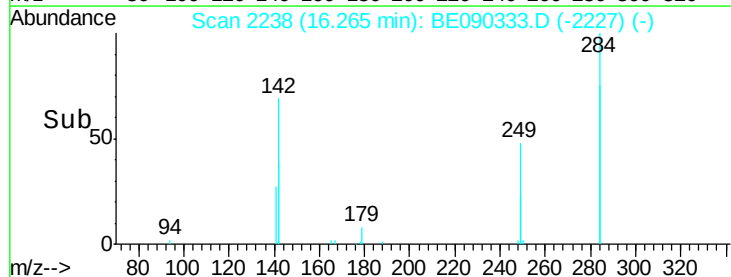
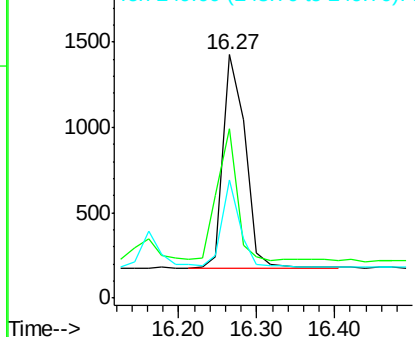


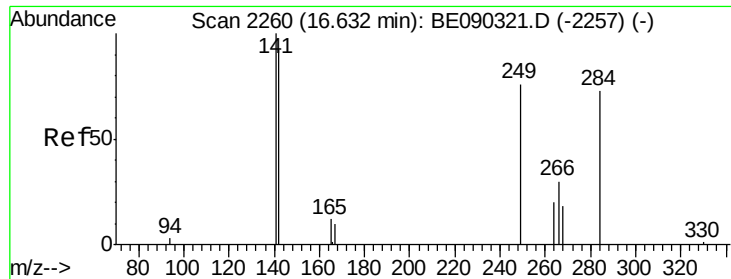
#20
Hexachlorobenzene
Concen: 1.33 ng
RT: 16.27 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BE090333.D
Acq: 4 Aug 2015 5:40

Tgt Ion:284 Resp: 2449
Ion Ratio Lower Upper
284 100
142 53.6 44.2 66.4
249 32.2 26.4 39.6



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 1.36 ng

RT: 16.63 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

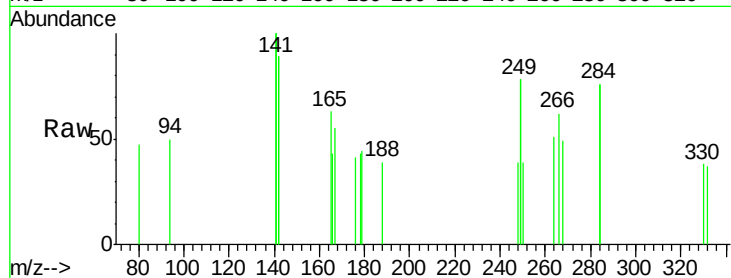
Tot Ion:266 Resp: 113

Ion Ratio Lower Upper

266 100

268 78.4 66.2 99.2

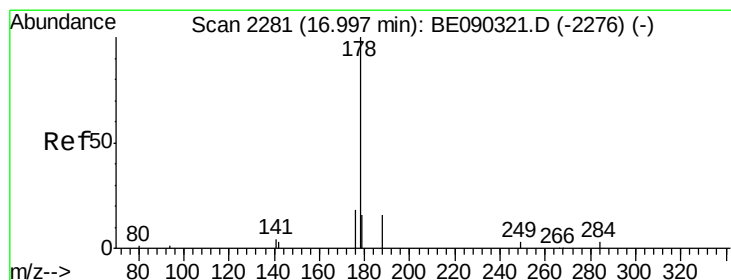
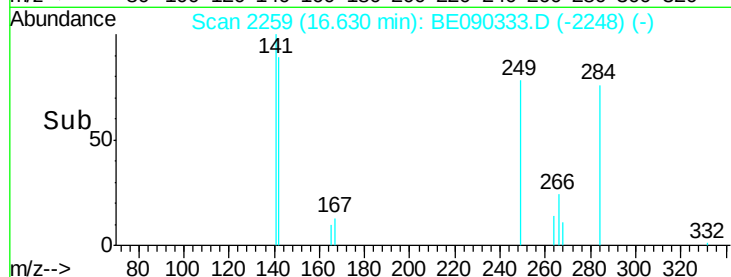
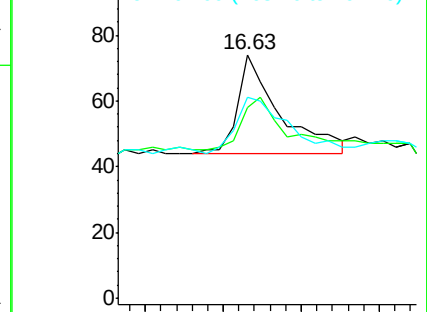
264 82.4 69.1 103.7



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#22

Phenanthrene

Concen: 1.20 ng

RT: 17.00 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

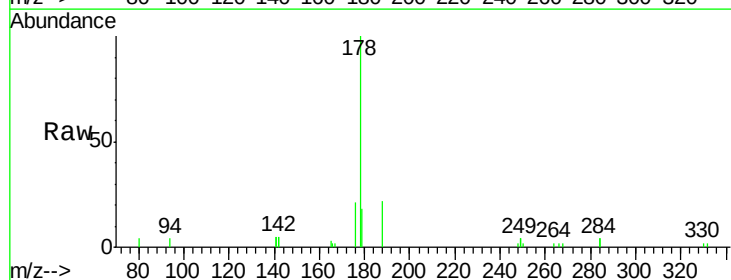
Tgt Ion:178 Resp: 3539

Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

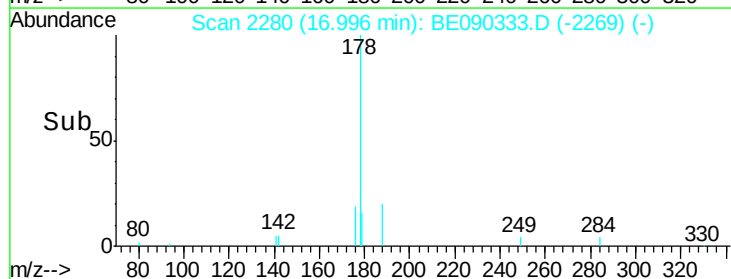
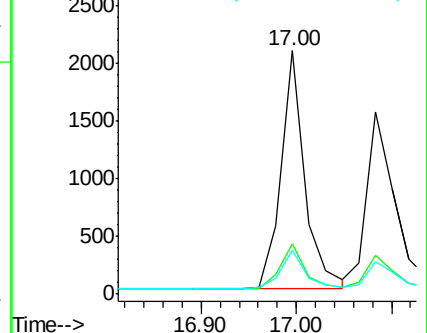
179 16.3 12.6 18.8

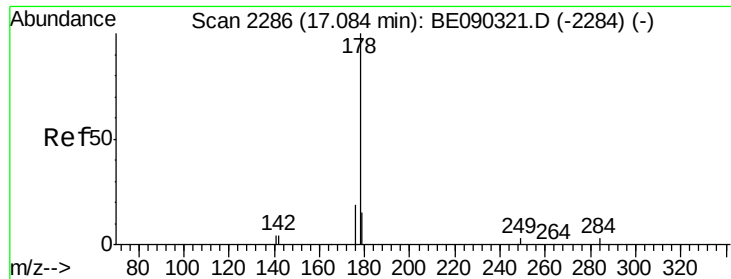


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 1.21 ng

RT: 17.08 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

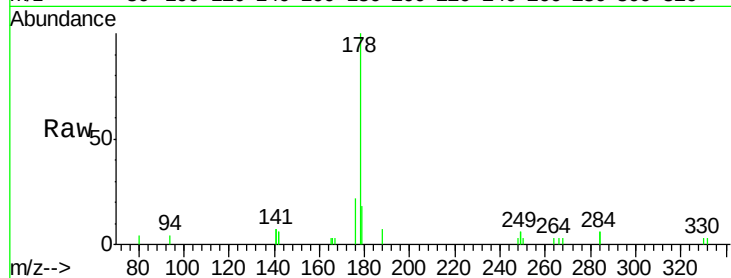
BNA_E

ClientSampleId :

SSTDCCC001

Tot Ion:178 Resp: 3201

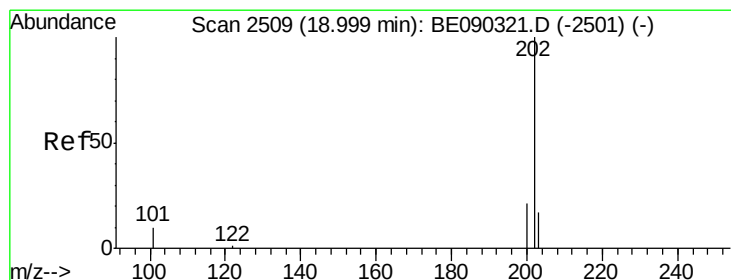
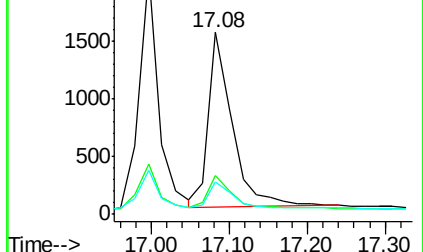
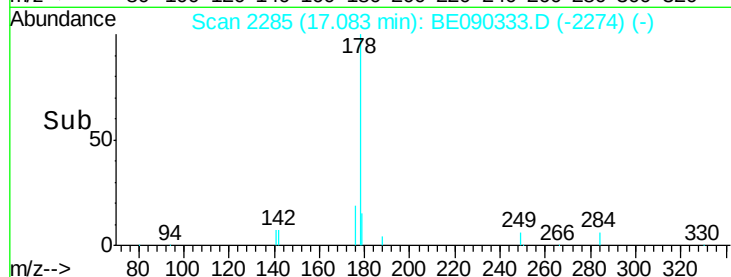
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.6	12.1	18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene

Concen: 1.20 ng

RT: 19.00 min Scan# 2509

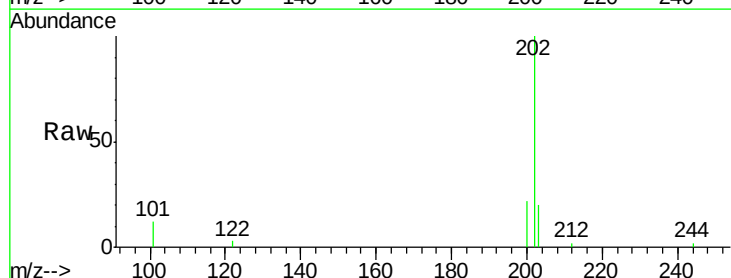
Delta R.T. 0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Tgt Ion:202 Resp: 3561

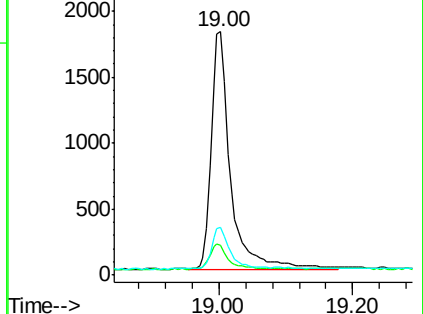
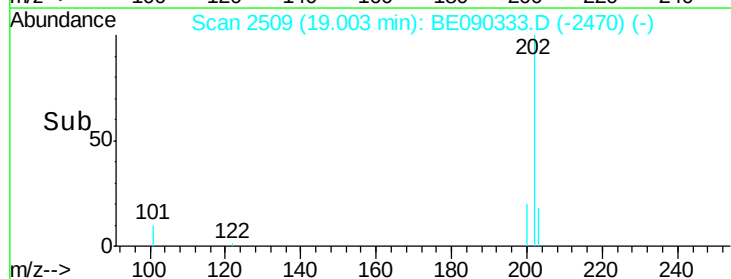
Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.3	12.5
203	16.5	13.8	20.8

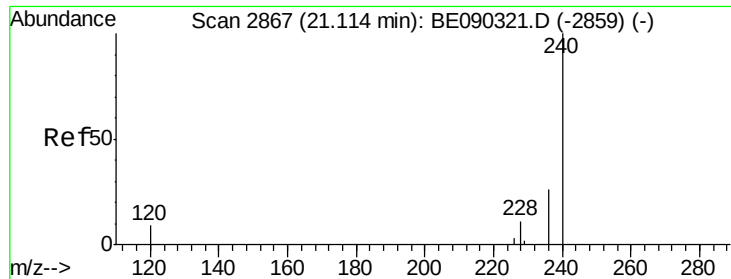


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.11 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

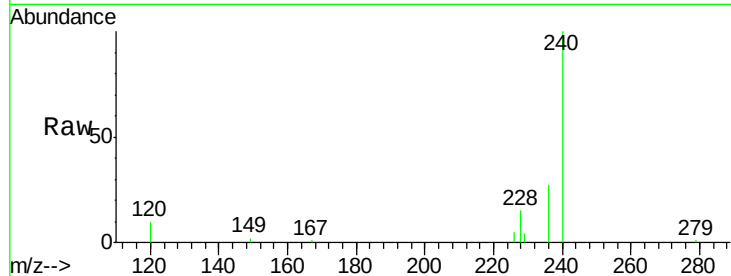
Tot Ion:240 Resp: 9475

Ion Ratio Lower Upper

240 100

120 10.3 7.5 11.3

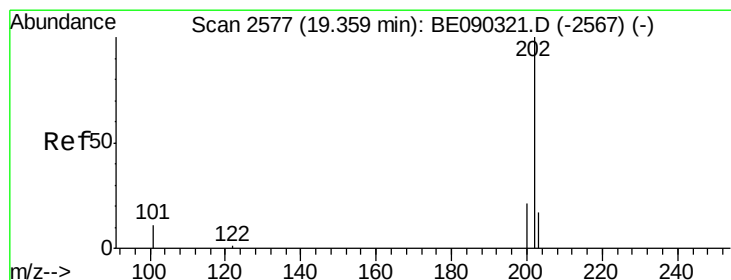
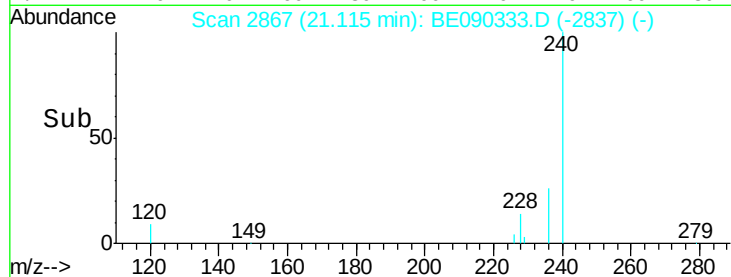
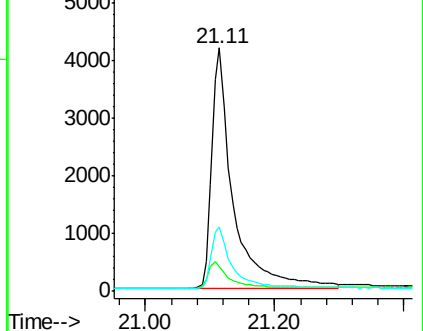
236 26.5 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#26

Pyrene

Concen: 1.38 ng

RT: 19.36 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

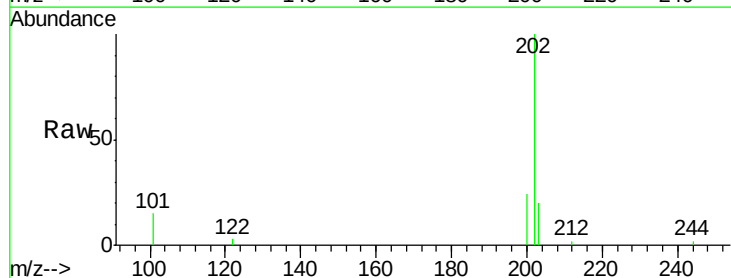
Tgt Ion:202 Resp: 3539

Ion Ratio Lower Upper

202 100

200 21.3 16.6 24.8

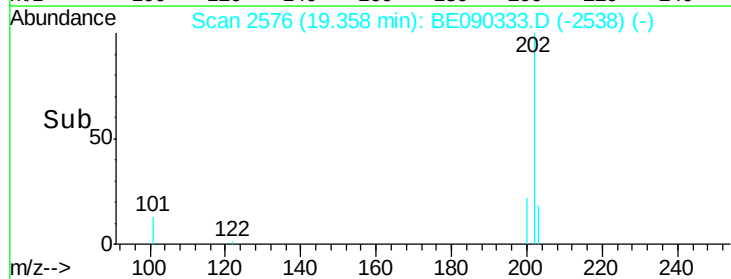
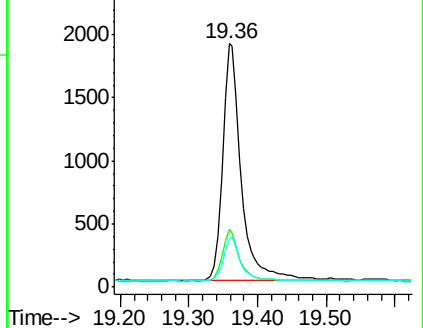
203 17.9 13.8 20.6

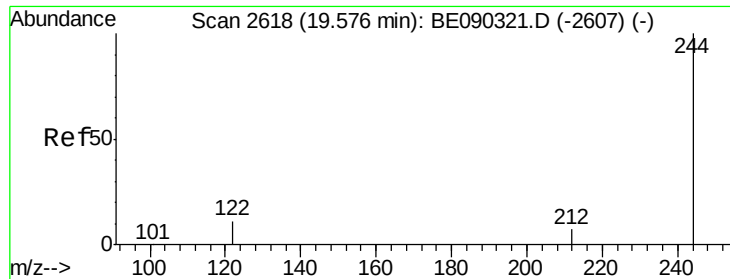


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 1.34 ng

RT: 19.58 min Scan# 2617

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

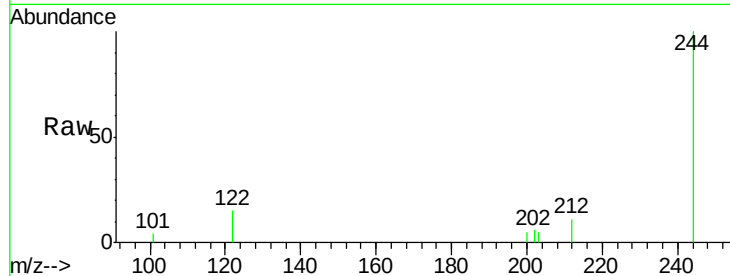
Tot Ion:244 Resp: 2372

Ion Ratio Lower Upper

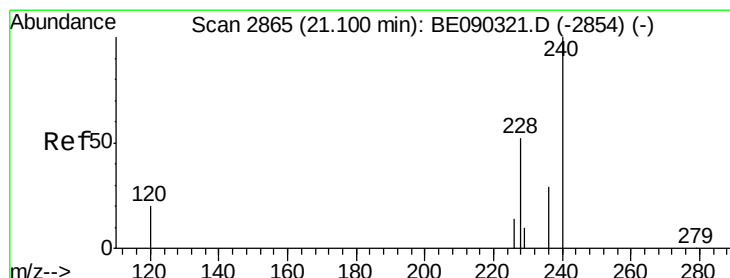
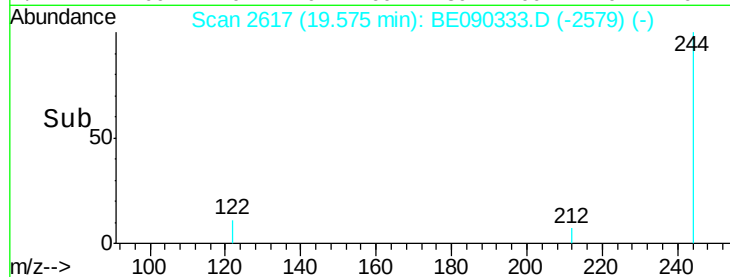
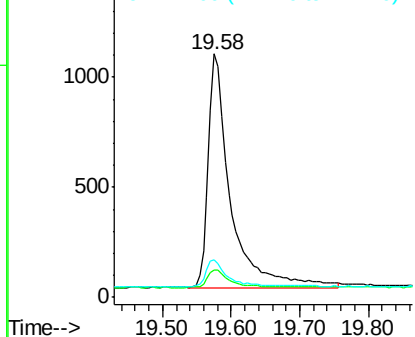
244 100

212 11.3 7.4 11.2#

122 15.5 10.4 15.6



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#28

Benzo(a)anthracene

Concen: 1.13 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

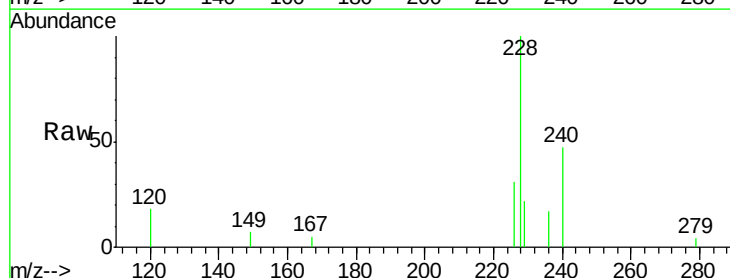
Tgt Ion:228 Resp: 2045

Ion Ratio Lower Upper

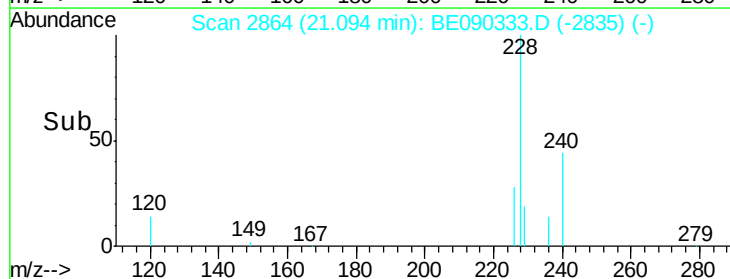
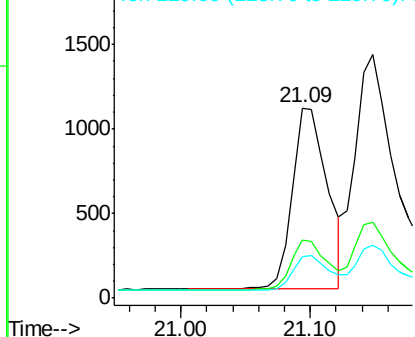
228 100

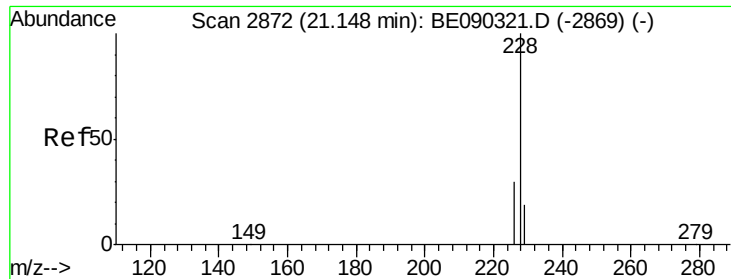
226 30.8 23.0 34.4

229 22.0 17.4 26.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 1.55 ng

RT: 21.15 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

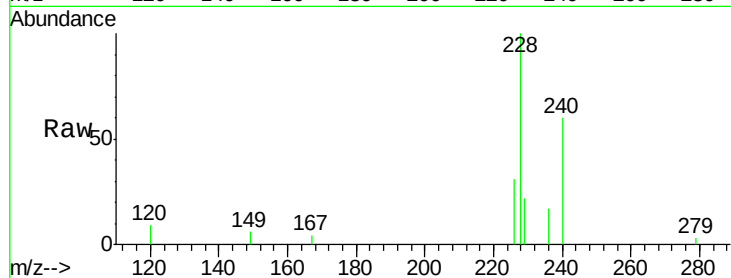
Tot Ion:228 Resp: 3420

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

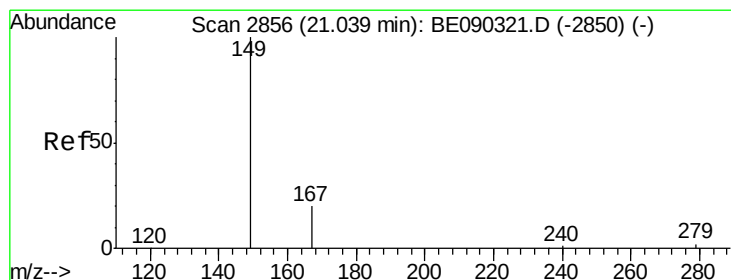
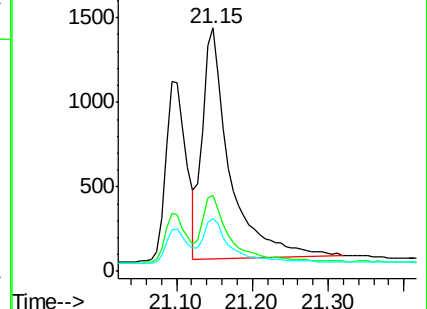
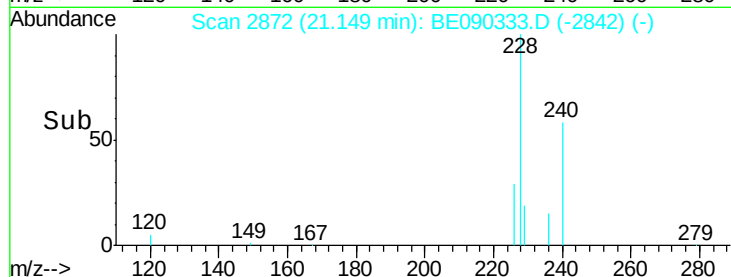
229 21.5 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 1.22 ng

RT: 21.04 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

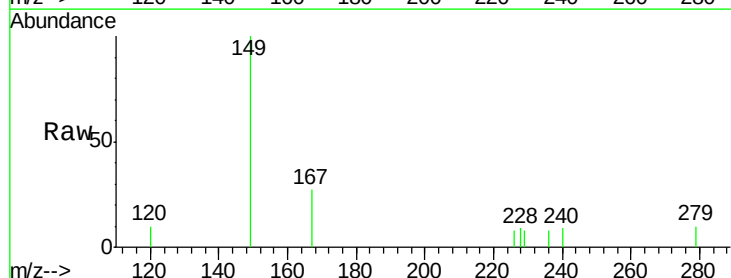
Tgt Ion:149 Resp: 687

Ion Ratio Lower Upper

149 100

167 21.7 16.6 24.8

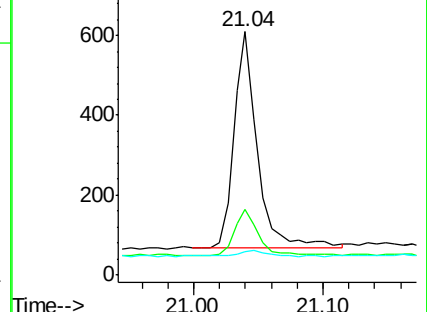
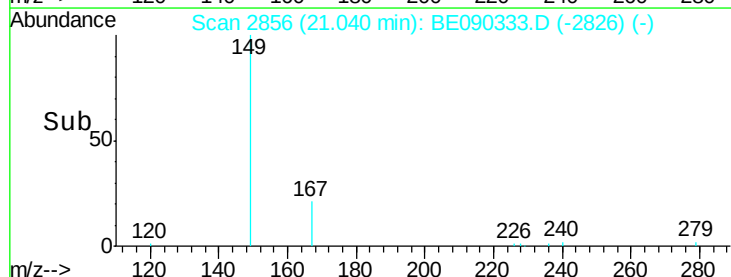
279 3.6 2.7 4.1

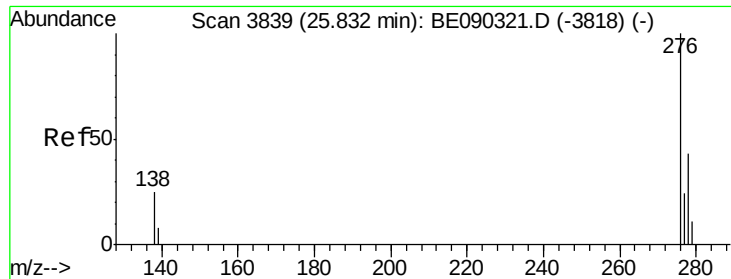


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 1.79 ng

RT: 25.82 min Scan# 3836

Delta R.T. -0.01 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

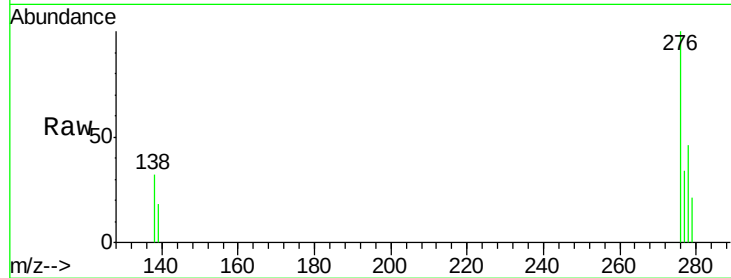
Tot Ion:276 Resp: 1867

Ion Ratio Lower Upper

276 100

138 20.1 10.6 16.0#

277 24.7 14.6 22.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time-->

25.60 25.80 26.00

25.82

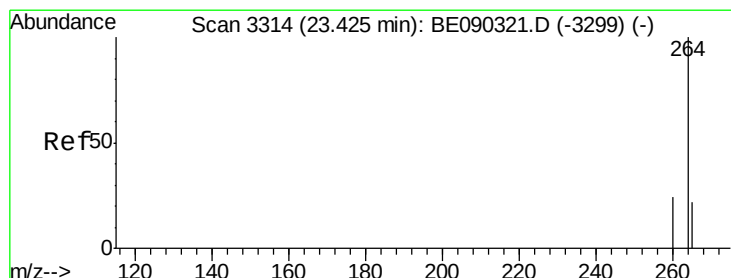
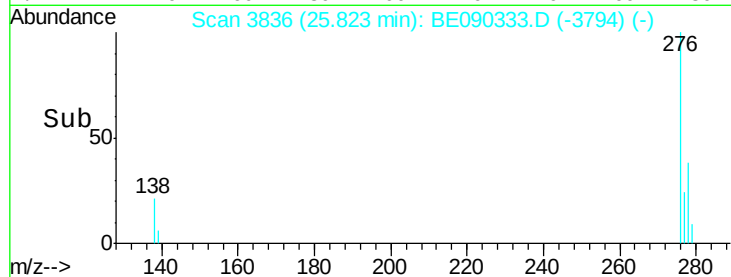
400

300

200

100

0



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.42 min Scan# 3313

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

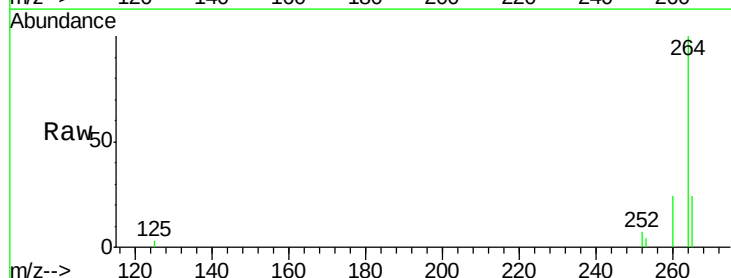
Tgt Ion:264 Resp: 8064

Ion Ratio Lower Upper

264 100

260 24.3 20.1 30.1

265 24.1 18.6 28.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->

23.30 23.40 23.50 23.60

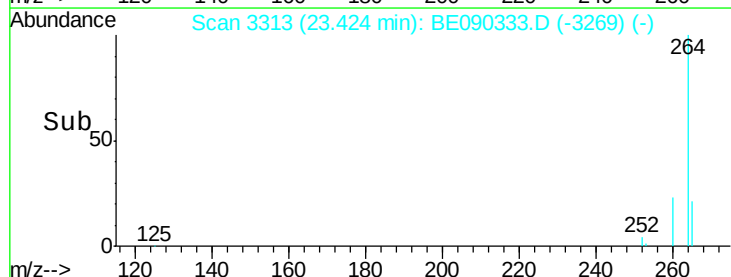
23.42

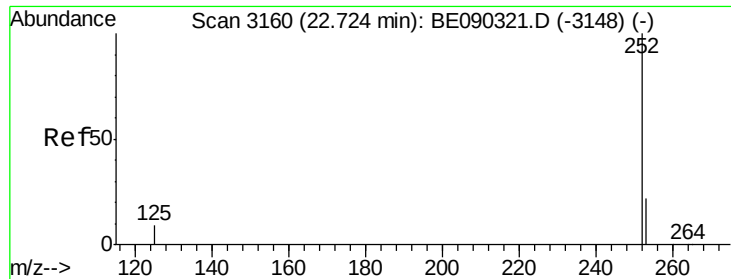
3000

2000

1000

0





#33

Benzo(b)fluoranthene

Concen: 1.43 ng

RT: 22.72 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

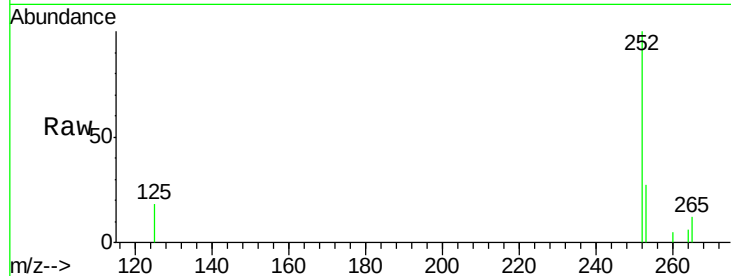
Tot Ion:252 Resp: 1800

Ion Ratio Lower Upper

252 100

253 27.4 21.5 32.3

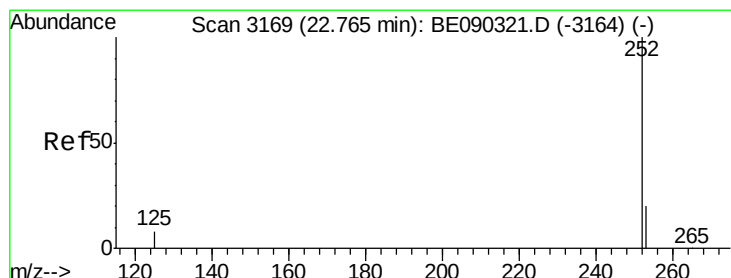
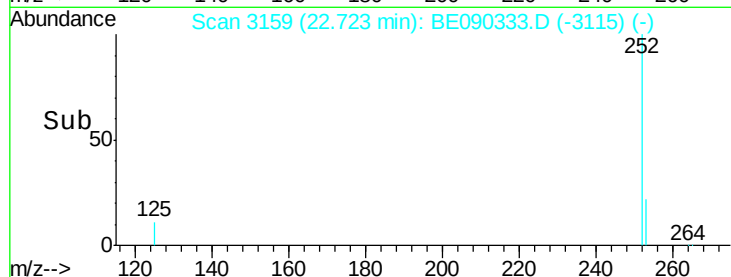
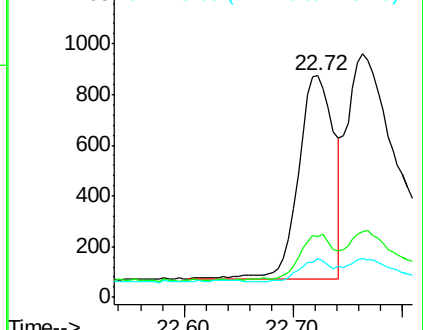
125 17.6 11.8 17.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(k)fluoranthene

Concen: 1.35 ng

RT: 22.76 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

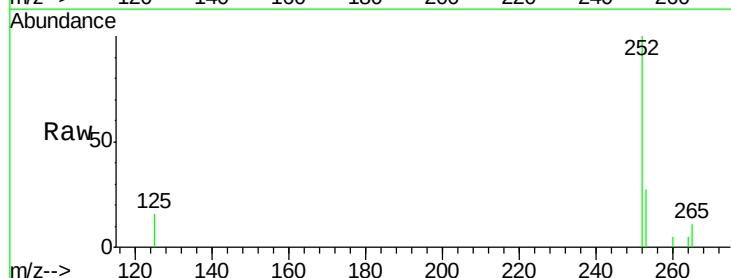
Tgt Ion:252 Resp: 2948

Ion Ratio Lower Upper

252 100

253 27.2 19.9 29.9

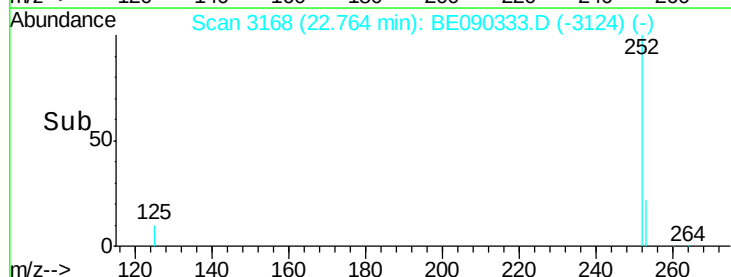
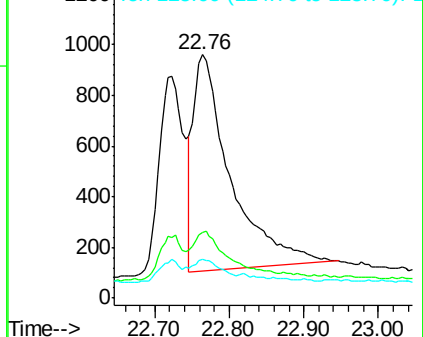
125 15.7 11.2 16.8

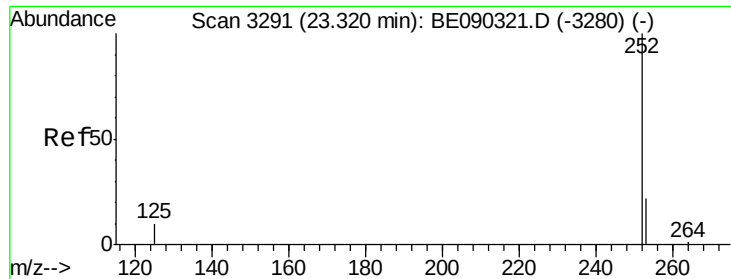


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 1.48 ng

RT: 23.32 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

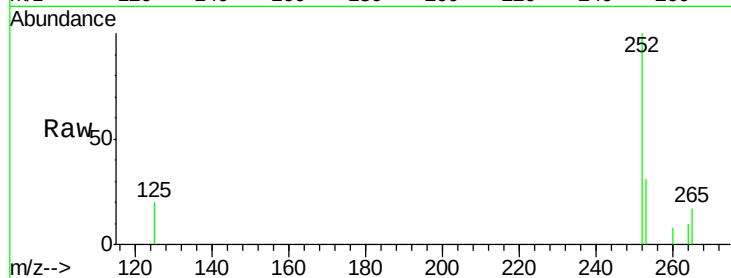
Tot Ion:252 Resp: 1792

Ion Ratio Lower Upper

252 100

253 30.9 23.0 34.4

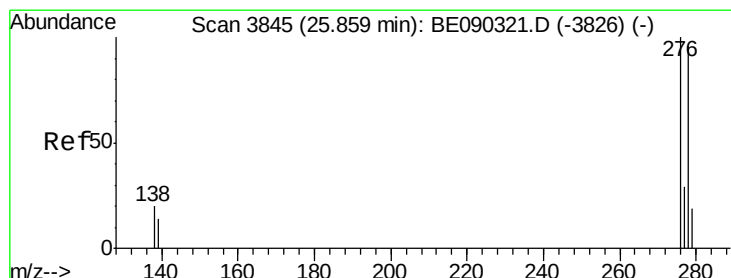
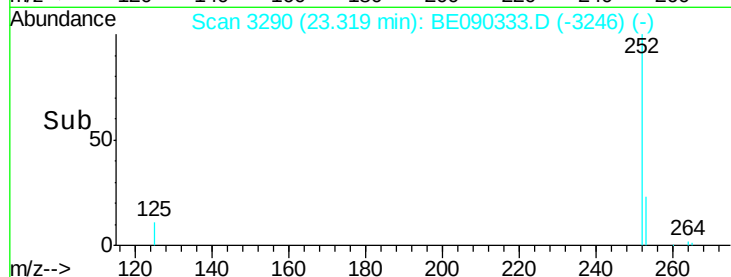
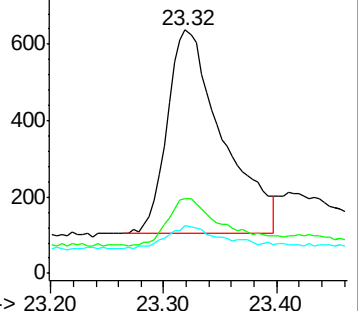
125 19.6 14.2 21.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 1.61 ng

RT: 25.85 min Scan# 3842

Delta R.T. -0.01 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

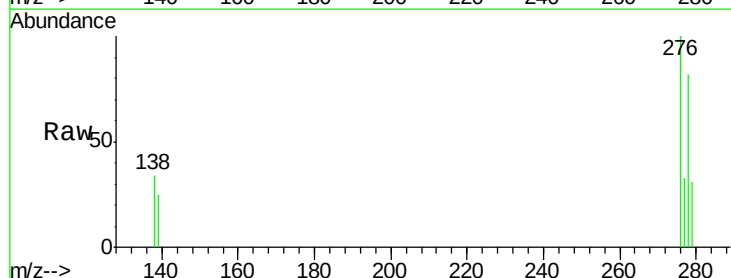
Tgt Ion:278 Resp: 1138

Ion Ratio Lower Upper

278 100

139 30.2 27.8 41.6

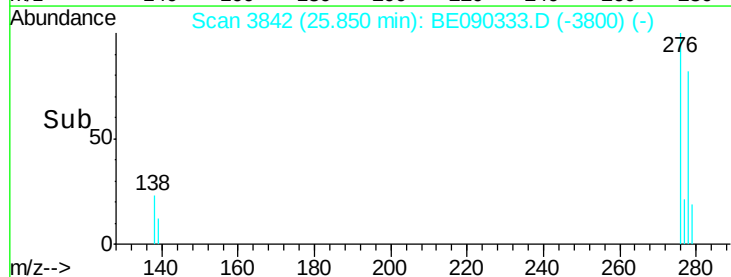
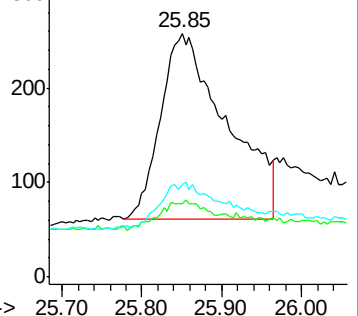
279 38.0 30.9 46.3

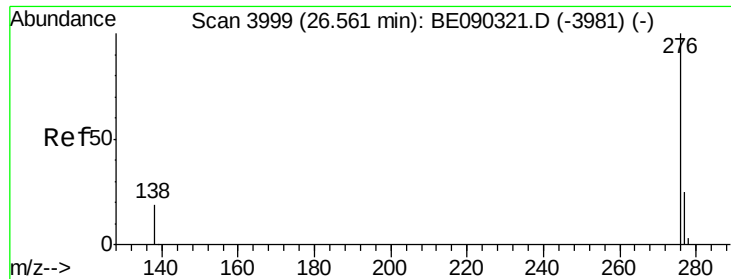


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(a,h,i)perylene

Concen: 1.68 ng

RT: 26.55 min Scan# 3995

Delta R.T. -0.01 min

Lab File: BE090333.D

Acq: 4 Aug 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

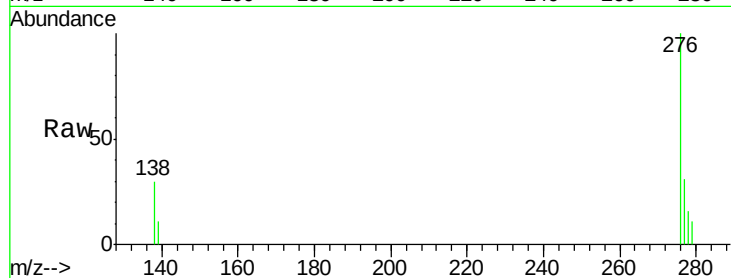
Tot Ion: 276 Resp: 2263

Ion Ratio Lower Upper

276 100

277 30.7 25.6 38.4

138 30.1 22.0 33.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

